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September 9, 2020

UIC Branch (WU-16J) US EPA region 5 77 W. Jackson Blvd. Chicago, IL 60604-3590

Re:

Class II Permit Application for Enhanced Recovery Well

Chessplay Project, Antrim County, MI

Burnett A3-18

Mr. Greenhagen,

Per your request, attached are revised wellbore schematics and P&A plan for the above referenced well. Corrections were necessary to eliminate confusion regarding construction of the well, mainly the absence of an open hole below the production casing. Since the Burnett A3-18 was originally constructed as a gas production well, it was perforated in the Antrim zone. Proposed CO2 injection is intended in the perforated interval. There is no open hole below production casing; the space below the casing shoe is filled with cement. Plug back depth for the well is the same as the bottom of the production casing depth (1,275').

Revised wellbore schematics and P&A plan are replacing the originally submitted documents.

If there are any questions, please contact Ms. Natalie Schrader of my staff at 231-995-4076 or reach her at nschrader@riversideem.com

Sincerely,

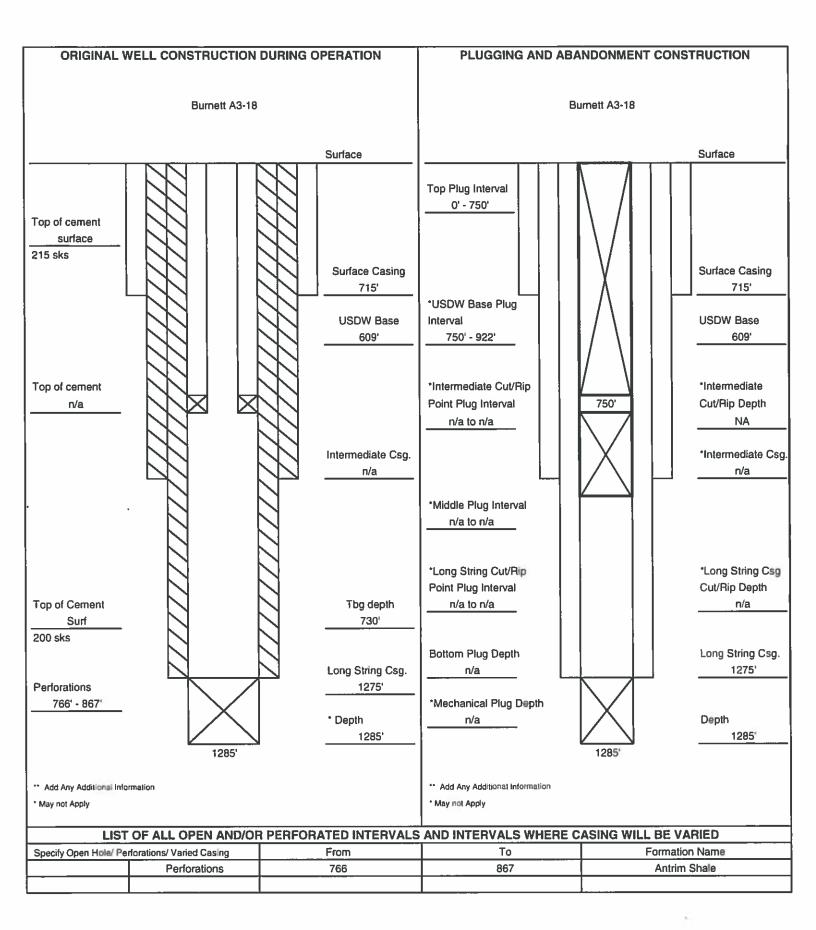
James Schramski,

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VP Operations

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460											
			DI I				DI AN				
PLUGGING AND ABANDONMENT PLAN											
WELL NAME & NUMBER, FIELD NAME, LEASE NAME & NUMBER						NAME, ADDRESS, & PHONE NUMBER OF OWNER / OPERATOR					
						Riverside Energy Michigan, LLC.					
Burnett A3-18						10691 E. Carter Rd. Suite 201					
						Traverse City, M	11 49684			ŀ	
						231-995-4001 ISTATE PERMIT NUMBER					
			STATE		COUNTY				Pending		
Locate Well and Outline Unit on Section Plat - 640 Acres			MI Antrim						Pen	aing	
00000011			NW/NW/NE, Sec. 18, T30N-R6W								
1 1		1 1 1				AREST LINES OF QUAR	TER SECTION AND	DRILLING UNIT			
	×		Surface								
			Location 550 ft. From (N/S) NORTH Line of Quarter Section							- 1	
-			And 24/4 It. From (E/W) EAST Line of Quarter Section								
			TYPE OF AUTHORIZATION WELL Class					☐ Class I			
			☑ Individual Permit				ACTIVITY	☐ Hazaı	dous		
								□ Nonh	azardous		
- -			Rule					Class II			
			☐ Area Permit					□ Brine	Disposal		
								☐ Hydro	carbon Storage	2	
			M and an extension to Annual Promitive			4		☑ Enhar	ced Recovery		
<u> </u>	!		Number of Wells in Area Permit : US EPA Permit Number :			1	1	Class III			
						Pending		☐ Class IV			
	0.4.0111.0.071.11		DECODE	. A ETED DI	HOOING AND	ADANDONIACI	NT METHOD OF EMPLACEMENT				
	CASING/TUBING/CEMENT RECO						,			AEN I	
Size		Original Amount (CSG)		62'	Hole Size	Sacks Coment Used	Туре	OF CEMENT PLUGS Balance Method			
13-3/8"	Conductor	62'			Driven	Driven		Dump Bailer Method			
8-5/8"	23#	715'		715'	12-1/4"	215 sks	unknown	_		۰ ا	
5-1/2"	5-1/2" 14# 1275'			275'	7-7/8"	200 sks	unknown	☐ Two Plug Method ☐ Other			
PEMERY.	TO DI LIC ANI	D ADANDON DA	ATA .	Plug#1	Plug # 2	Plug#3	Plug # 4	Plug # 5	Plug #6	Plug #7	
CEMENT TO PLUG AND ABANDON D Size of Hole or Pipe in Which Plug Will Be Placed (inches)			110	5-1/2"	1109 # 2	1 109 # 0	1 10g # 4	1 10g # 0	7 lug #0	Tiog III	
Calculated Top				Surface					ĺ		
Measured Top				n/a 922'							
Depth to Botton Sacks of Ceme				107		-			 	-	
	o be Used (cu. Ft.)			126						 	
Sturry Weight (I				15.6							
Type of Cemen Type of Preflus	t, Spacer or Other M h Used	alenal Used		Class A			+		-		
DESCRIPTION OF PLUGGING PROCEDURE											
MI Service Unit. TOH w/ packer & tubing. TIH w/ flow-thru retainer. Set retainer at 750', TOH w/ tbg. Pump 20 sacks and drop wiper plug. Pump 87 sacks to surface Cut csg 4' below ground level. Weld plate on sub. Restore location.											
ESTIMATED COST OF PLUGGING AND ABANDONMENT											
Cement \$10,000 Cast Iron Bridge Plug \$0 Logging \$0 Cement Retainer \$6,000											
Logging \$0 Cement Re Rig or Pulling Unit \$4,000 Miscellaned											
Rig or Pulli	ng Unit			\$4,000		\$25,000					
Total \$25,000											
I certify under the penalty of law that I have examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information. I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref.40 CFR 144.32)											
NAME AND OFFICIAL TITLE SIGNATURE DATE SIGNED											

Jim Schramski, VP Operations EPA Form 7520-14



RIVERSIDE ENERGY MICHIGAN, LLC BURNETT A3-18 CHESSPLAY

